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M. Hansen

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Hiroshi Tayanaka ATTORNEY DOCKET NO. P7,0027  
SERIAL NO. 08/818,239 GROUP ART UNIT: 2813  
FILING DATE: March 14, 1997 EXAMINER: K. Christiansen  
INVENTION: "METHOD FOR MAKING THIN FILM SEMICONDUCTOR,  
SOLAR CELL, AND LIGHT EMITTING DIODE"

PRELIMINARY AMENDMENT

Hon. Commissioner of Patents  
Washington, D.C. 20231

S I R:

Please enter the following amendment prior to examination of the above-identified patent application.

IN THE CLAIMS

Please add new claims 28-29 as follows:

19-28. A method for making a thin film semi-conductor comprising the steps of:  
providing a semi-conductor substrate having a surface;  
anodizing said semi-conductor substrate at a first current density to provide a first  
porous layer adjacent said surface having a first porosity;  
anodizing said semi-conductor substrate at a second current density higher than said  
first current density to provide a second porous layer adjacent said first porous  
layer opposite said surface, said second porous layer having a second porosity  
greater than said first porosity;  
annealing said semi-conductor substrate in a hydrogen atmosphere after said step of  
anodizing said semi-conductor substrate to provide said second porous layer;  
and  
forming at least one semi-conductor film on said surface.--

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--29. A method for making a thin film semi-conductor comprising the steps of:  
providing a semi-conductor substrate having a surface;  
forming a first porous layer adjacent said surface having a first porosity;